2013_5_15_labmeeting

KiSoo Lee

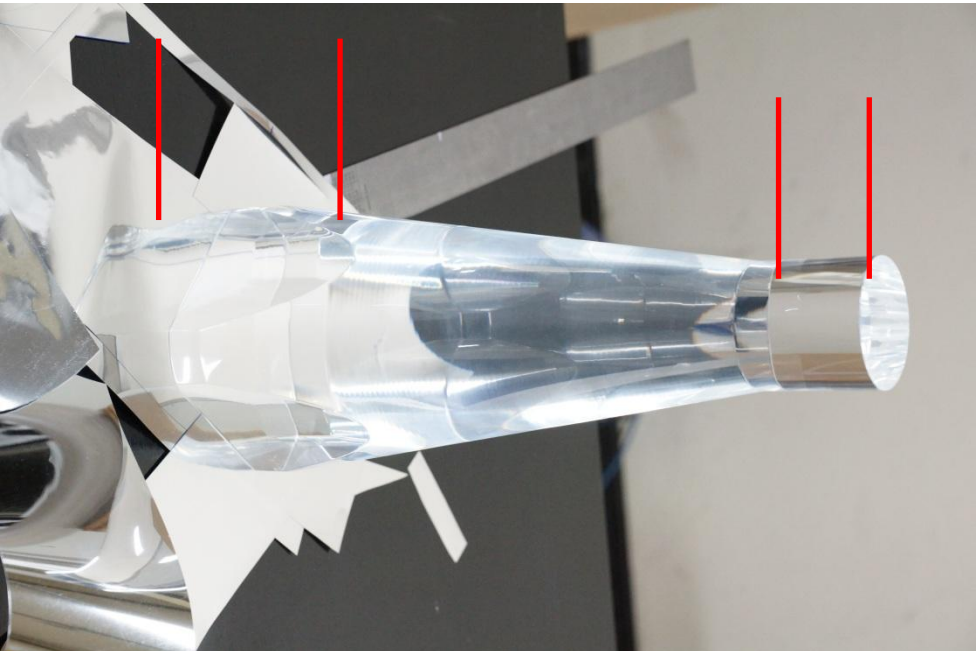
RAXON block detector

- Side face covered with aluminized mylar and black tape
- Front face covered with black paper and black tape

Light guide

- Difference is length of front end and back end
- Light loss is reduces for the length

For bar detector



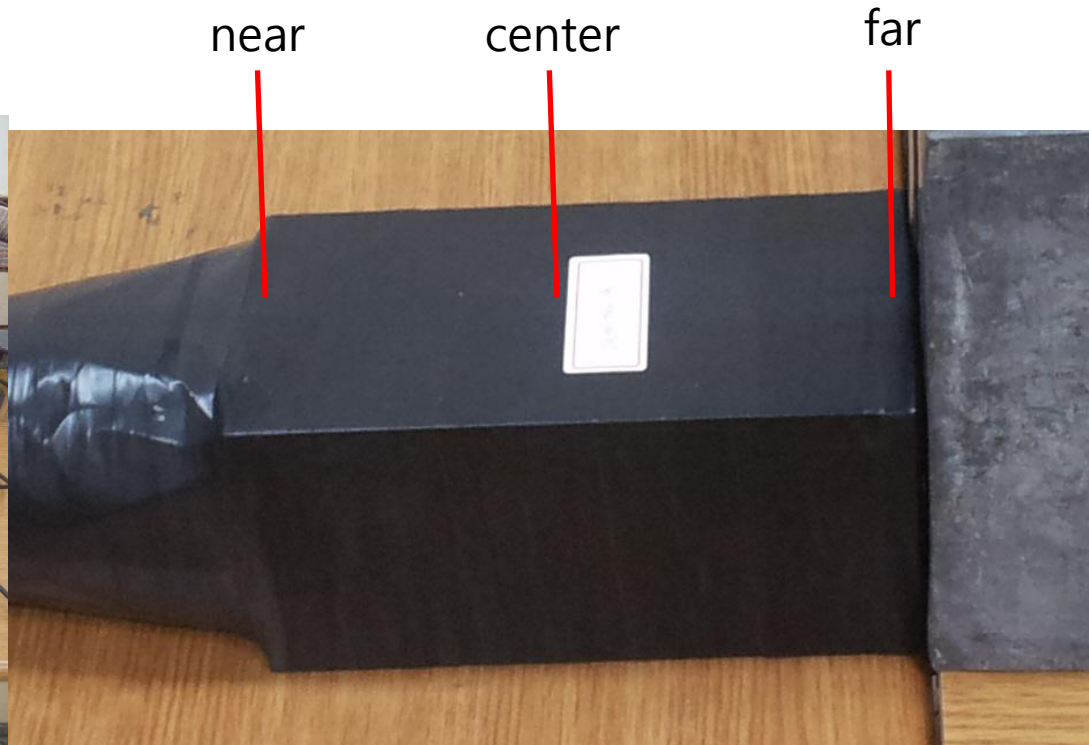
For block detector

Assemble procedure

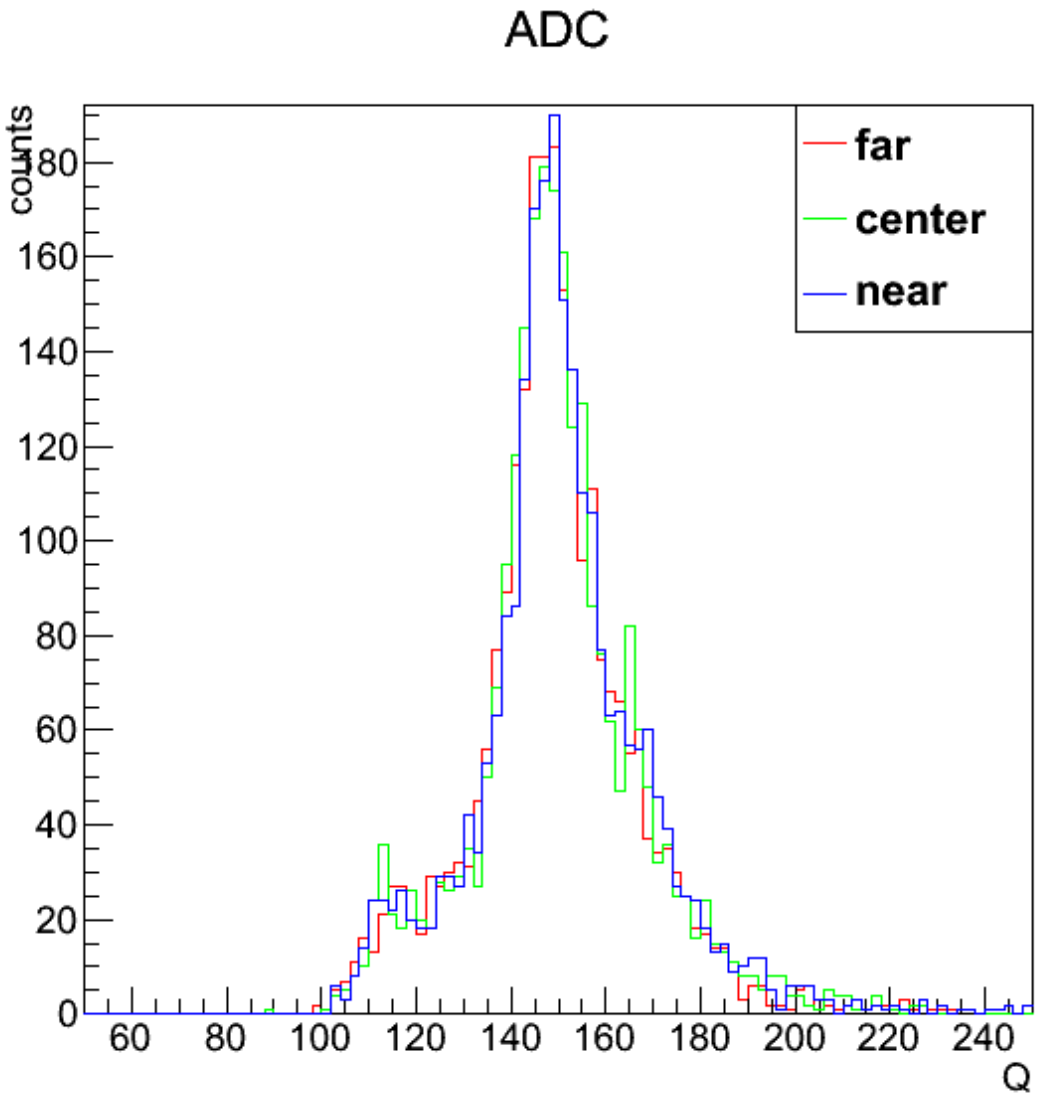
- Light guide also covered with mylar and black tape

Cobalt test

- Test for each detector at side and front
- Side tested for 3 region
- Front tested for different voltage

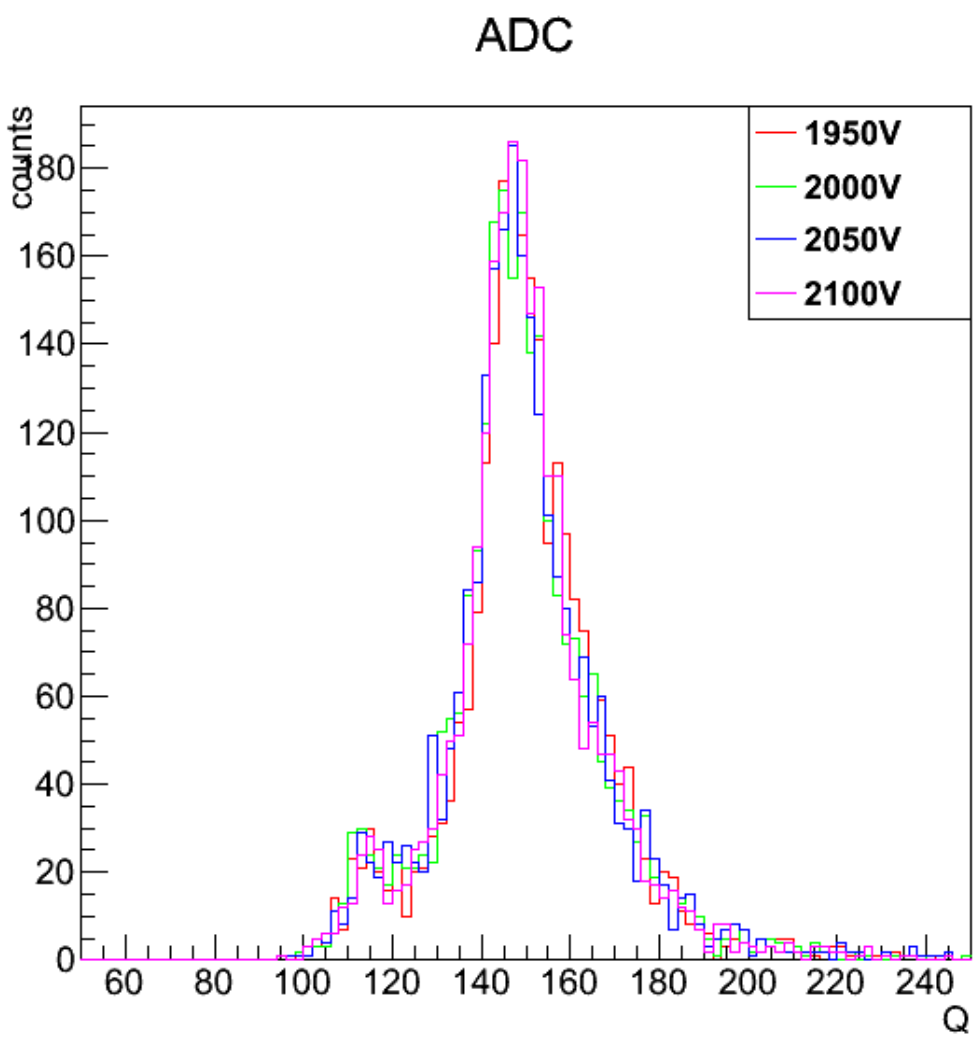


Side ADC comparison(1950 V)



- Almost no difference among position at side

ADC comparison for different voltage



- No significant difference in voltage also

Trigger logic problem

- Previous: AND of detector and trigger detector
- Probability of triggered is high at high energy
- Now: OR of detector and trigger
- Probability of triggered is same at high and low energy
- $\frac{low\ or\ high\ energy\ data}{triggered\ data}$ is deferent for two logic

Plan

- We need analysis for 4 detector module
- Set gain of 4 detector module as same value
- Experiment for Californium
- Assemble 4 detector as a set(housing have requested)
- Same experiment for Bicron detector